

# **Fourth National Forum on Biomedical Imaging in Oncology**

## **February 6-7, 2003**

### **Hyatt Regency Bethesda – Crystal Ballroom**

Presented by: National Cancer Institute, Food and Drug Administration, Centers for Medicare and Medicaid Services and National Electrical Manufacturers Association

Sponsored by: National Institutes of Health/Foundation for Advanced Education in the Sciences (NIH/FAES)



## **Program**

### **February 6**

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|----------------|---|
| 7:30 am        | <b>Continental Breakfast</b>  |
| 8:30 am        | <b>Introduction/Objectives</b><br>Ellen Feigal, MD, Acting Director, Division of Cancer Treatment and Diagnosis (DCTD), National Cancer Institute (NCI)   |
| 8:35 am        | <b>Introductory Remarks From Industry</b><br>Tom McCausland, President and CEO, Siemens Medical Solutions USA, Inc.   |
| 8:40–9:40 am   | <b>Forum Issues: Updates</b>  |
| 8:40 am        | <b>Food and Drug Administration (FDA)</b><br>David W. Feigal, Jr., MD, MPH, Director, Center for Devices and Radiological Health (CRDH), FDA<br>Janet Woodcock, MD, Director, Center for Drug Evaluation and Research, FDA  |
| 8:50 am        | <b>Centers for Medicare and Medicaid Services (CMS)</b><br>Ronald Dei Cas, MD, FACS, Medical Officer, Division of Items and Devices, Coverage and Analysis Group, CMS   |
| 9:00 am        | <b>National Cancer Institute (NCI)</b><br>Ellen Feigal, MD, Acting Director, DCTD, NCI  |
| 9:10 am        | <b>National Institute of Biomedical Imaging and Bioengineering (NIBIB)</b><br>Richard Swaja, PhD, Senior Science Advisor, NIBIB   |
| 9:20 am        | <b>Question and Answer Session</b>  |
| 9:35 am - Noon | <b>Imaging Agents as Complements to Therapeutics</b><br>Moderator: Susan Galbraith, MB, Bchir, PhD, Associate Medical Director, Bristol Myers Squibb  |
| 9:35 am        | <b>Imaging the Inner Workings of Solid Tumors: A Twenty-five Year Odyssey</b><br>Rakesh Jain, PhD, Andrew Werk Cook Professor of Tumor Biology, Harvard Medical School and Director, Edwin L. Steele Laboratory for Tumor Biology, Massachusetts General Hospital |
| 10:20 am       | <b>Break</b>  |

10:40 am	<p><b>Case Studies - Experience in Development of Protease Therapeutics</b></p> <p><b>Are Proteases Valid Therapeutic Targets in Cancer?</b> Bonnie Sloane, PhD, Professor and Chair, Department of Pharmacology and Professor, Karmanos Cancer Institute, Wayne State University</p> <p><b>Approaches and Challenges in Imaging the Protease Pathways</b> David Piston, PhD, Professor of Molecular Physiology and Biophysics and Professor of Physics and Director, W.M. Keck Foundation Free-electron Laser Center, Vanderbilt University</p>
11:20 am	<p><b>Discussion</b> Panel – Moderator and speakers</p>
Noon	<b>Lunch</b>
1:00-2:00 pm	<p><b>Imaging for Screening: Case Study – Breast Cancer</b> Moderator: Etta Pisano, MD, Professor of Radiology, University of North Carolina, Chapel Hill</p>
1:00 pm	<p><b>Introduction to Clinical Dilemma</b> Jo Anne Zujewski, MD, Head, Breast Cancer Clinical Research Section, Medical Oncology Clinical Research Unit, Center for Cancer Research, NCI</p>
1:15 pm	<p><b>Screening Technology for Breast Cancer</b> Mitch Schnall, MD, PhD, Associate Professor, Department of Radiology, University of Pennsylvania Hospital</p>
1:30 pm	<p><b>Discussion</b> Panel – Moderator, speakers and Morgan Nields, Chairman and CEO, Fischer Imaging Corporation</p>
2:00-5:00 pm	<p><b>Technology Assessment – Issues Raised by Breast Cancer Screening and Imaging Agents in Therapy</b> Moderator: Michael Vannier, MD, Professor and Department Head of Radiology, University of Iowa Hospitals and Clinics</p>
2:00 pm	<p><b>Technology Assessment – Bringing Evidence-Based Medicine to Medical Policy</b> Carole Redding Flamm, MD, MPH, Associate Director, Technology Evaluation Center, Blue Cross Blue Shield Association</p>
2:30 pm	<p><b>Methodologic Issues</b> Charles Metz, PhD, Professor of Radiology, University of Chicago</p>
3:00 pm	<b>Break</b>
3:20 pm	<p><b>FDA Research Perspectives Related to CAD Products</b> Robert Wagner, PhD, Senior Biomedical Research Scientist, CDRH, FDA</p>
3:50 pm	<p><b>Image Data Issues [Archives/Computer Aided Detection (CAD)]</b> Michael Vannier, MD, Professor and Department Head of Radiology, University of Iowa Hospitals and Clinics</p>
4:20 pm	<p><b>Discussion</b> Panel - Speakers and F. David Rollo, MD, PhD, Chief Medical Officer, Philips Nuclear Medicine</p>

5:20 pm                    **Adjourn**

**February 7**

7:30 am                    **Continental Breakfast**

8:30 am                    **Coalition and Review of Proposed 2004 Forum Topic**  
Edward Staab, MD, Chief, Diagnostic Imaging Branch, Biomedical Imaging Program,  
DCTD, NCI

8:45-11:45 am           **Imaging in Diagnosis and Therapy of Screen-detected Lesions: Case Study – Lung**  
Moderator: Denise Aberle, MD, Professor and Chief, Thoracic Imaging, Department of  
Radiological Sciences, University of California, Los Angeles

8:45 am                    **CT Screening for Lung Cancer--Mayo Clinic Experience**  
Stephen Swensen, MD, Chair, Department of Radiology, Mayo Clinic and Professor,  
Mayo Medical School

9:05 am                    **Image-guided Diagnostic Procedures for Screen-detected Lung Lesions**  
David Yankelevitz, MD, Professor of Radiology, Weill-Cornell Medical Center

9:25 am                    **Image-guided Therapeutic Non-surgical Interventions for Screen-detected Lung Lesions**  
Damian E. Dupuy, MD, Associate Professor of Diagnostic Imaging, Brown  
University

9:45 am                    **Image-guided Therapeutic Surgical Interventions for Screen-detected Lung Lesions**  
Stephen Yang, MD, Chief, Division of Thoracic Surgery, Associate Professor of  
Surgery and Oncology, Surgical Director, Lung Transplantation Program and  
Director, Thoracic Oncology Program, Johns Hopkins School of Medicine

10:05 am                    **Technology Assessment Issues Raised by Image-guided Diagnosis and Therapy**  
Constantine Gatsonis, PhD, Professor of Medical Science (Biostatistics) and Applied  
Mathematics and Director, Center for Statistical Sciences, Brown University

10:25 am                    **Break**

10:45 am                    **Technology Assessment for Image Guided Diagnosis and Therapy - Discussion**  
Panel – Moderator, speakers and Stanley Fox, General Electric

11:45 am                    **Summary of 2003 Forum Proceedings**

Noon                        **Adjourn**